

SOLID POLYMER ELECTROLYTE

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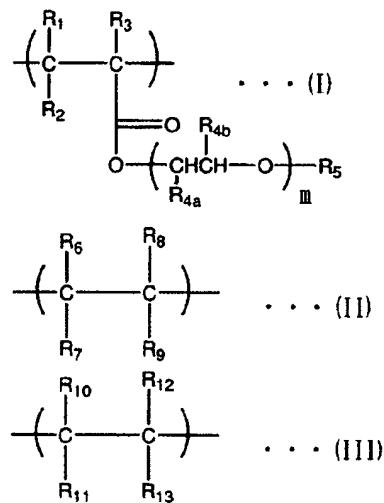
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[57] Abstract:

PROBLEM TO BE SOLVED: To provide a solid polymer electrolyte having excellent thermal characteristics, physical characteristics, and ionic conductivity so as to be positioned on a level near to practical use, and to provide a copolymer composition used as a base material for producing the solid polymer electrolyte, especially a fully-solidified polymer electrolyte.
SOLUTION: This solid polymer electrolyte contains a copolymer and an electrolytic salt, wherein the copolymer is composed of a block chain A having repeating units expressed by formula (I), a block chain B having repeating units expressed by formula (II) (R₉ is an aryl), and a block chain C having repeating units expressed by formula (III) (R₁₃ is an aryl or a heteroaryl), and the chain B, the chain A, and the chain C are arranged in this order.

[51] **Int'l Class:** C08F29300 H01B00106 H01M01040